

WHAT IS CLAIMED IS:

1- A substrate having at least one main surface comprising a first
 5 coating deposited on said main surface and a second coating having
 anti-soiling properties deposited and adhering on the surface of said first
 coating,

- the first coating being a (meth)acrylate based coating and
 10 being obtained by polymerizing a polymerizable composition comprising:

i) at least one (meth)acrylate compound and

ii) at least one compound I having at least one - M-Z' bond with M
 representing Si or a Metal atom, Z' representing OH or a hydrolysable
 group, and at least one ethylenic unsaturated group or epoxy group,

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and/or

iii) at least one silica or metal oxide colloid having free
 ethylenically unsaturated groups;

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and

- the second coating, having anti-soiling properties, being
 obtained by depositing on said first coating an anti-soiling coating
 composition comprising at least one compound II, or a hydrolyzate
 25 thereof, having at least one - Si-Z'' group with Z'' representing OH or a
 hydrolysable group.

2- A substrate according to claim 1, wherein the polymerizable first
 coating composition comprises at least one metal alkoxide compound
 30 that do not contain any reactive unsaturated group.

3- A substrate according to claim 1, wherein compound I is a colloidal silica having free acryloxy groups.

4- A substrate according to claim 1, wherein the polymerizable first coating composition comprises from 2 to 50% by weight of compound I.

5- A substrate according to claim 1, wherein the polymerizable first coating composition comprises from 10 to 40% by weight of compound I.

6- A substrate according to claim 1, wherein the unsaturated group is a (meth)acryloxy group or a vinyl group.

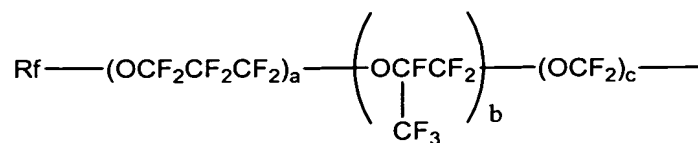
7- A substrate according to claim 1, wherein the second coating having anti-soiling properties is hydrophobic and/or oleophobic.

8- A substrate according to claim 1, wherein compound II is a fluoro compound.

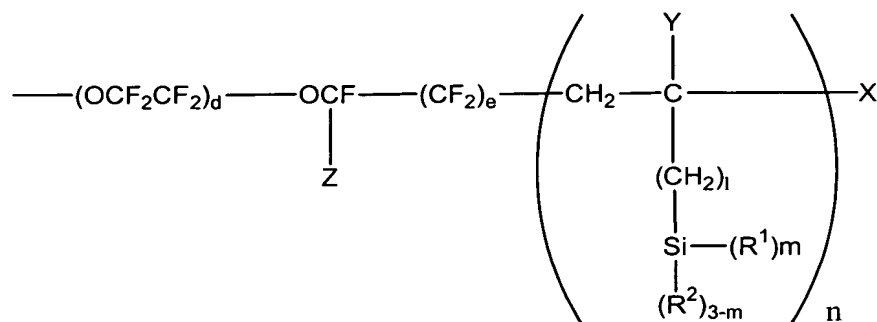
9- A substrate according to claim 3, wherein compound II is a silane or a silazane bearing at least one group selected from fluorocarbons, polyfluorocarbons, fluoropolyethers and polyfluoropolyethers.

10- A substrate according to claim 1, wherein compound II is a silane comprising polyfluoro polyether groups.

11- A substrate according to claim 1, wherein compound II is represented by the general formula (I) and has a number average molecular weight of from 5×10^2 to 1×10^5 .



(I)



wherein Rf represents perfluoroalkyl ; Z represents fluoro or trifluoromethyl ; a, b, c, d and e each independently represent 0 or an integer of 1 or above, provided that a + b + c + d + e is not less than 1 and the order of the repeating units parenthesized by subscripts a, b, c, d and e occurring in the formula is not limited to that shown ; Y represents hydrogen or alkyl containing 1 to 4 carbon atoms ; X represents hydrogen, bromo or iodo ; R¹ represents hydroxy or a hydrolyzable substituent group ; R² represents hydrogen or a monovalent hydrocarbon group ; l represents 0, 1 or 2 ; m represents 1, 2 or 3 ; and n represents an integer of 1 or above, preferably 2 or above.

12- A substrate according to claim 1, wherein the second coating having anti-soiling properties is deposited by dip coating or spin coating, preferably by dip coating.

13- A coating composition comprising:

- i) at least one (meth)acrylate compound and
- ii) at least one compound I having

at least one - M-Z' bond with M representing Si or a Metal atom, Z'
representing OH or a hydrolysable group,

and at least one ethylenic unsaturated group or epoxy group

and/or

- 5 iii) at least one silica or metal oxide colloid having free
ethylenically unsaturated groups.